

Title (en)
PLASTIC FOAM MATERIAL AND USE THEREOF

Title (de)
KUNSTSTOFF-SCHAUMMATERIAL UND DESSEN VERWENDUNG

Title (fr)
MATIERE PLASTIQUE EXPANSEE ET SON UTILISATION

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Application
EP 06793702 A 20060921

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Abstract (en)
[origin: WO2007045536A1] The invention relates to a polyolefin-based plastic foam material which comprises 50 to 90 wt. % of at least one polypropylene (PP) and/or at least one copolymer from propylene and at least one other unsaturated comonomer, the PP and/or the copolymer from propylene and at least one other unsaturated comonomer having a melt flow index MFI (230 °C/2.16 kg) of 0.5 to 12 g/10 min, and 10 to 50 wt. % of at least one copolymer from ethylene and at least one other unsaturated comonomer, the copolymer from ethylene and at least one other unsaturated comonomer having a melt flow index MFI (190 °C/2.16 kg) of < 2g/10 min, and the plastic material having a density of 0.03 to 0.2 g/cm³ and a cross-linked polyolefin percentage of 20-70 wt. %. In order to reduce the hardness of the material without impairing its working properties during molding and without impairing its temperature resistance, the comonomer percentage of at least one of the copolymers from ethylene and at least one other unsaturated comonomer is 8 to 40 wt. %.

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Citation (examination)
ULRIKE WENZEL: "Charakterisierung eines ultrahochmolekularen Polymethacrylats mit flüssigkristalliner Seitengruppe in verdünnter Lösung", vol. D83/2000, 5 July 2000 (2000-07-05), pages 78PP, XP007912815, Retrieved from the Internet <URL:http://opus.kobv.de/tuberlin/volltexte/2000/171/pdf/wenzel_ulrike.pdf> [retrieved on 20100426]

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DE102020212800A1; WO2016074811A1; DE102017221414A1; WO2019105612A1

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